

INTERNATIONAL SEARCH REPORT

Int. Appl. No.
PCT/US 00/09541

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F15/02 G06F17/30 G06F17/22 G06F17/21 H04N7/173

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04N G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 269 302 A (MITSUBISHI CORP) 2 February 1994 (1994-02-02)	59-64, 73,89, 90,93, 95,106, 108, 111-116, 119-121, 132,139, 140, 142-145, 147,152, 153,155, 175,192, 193,202, 204-206
Y		1-5,9, 12,17, 18,21, 22,25,
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "O" document relating to an oral disclosure, use, exhibition or other means
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

24 October 2000

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
		<p>26, 33-38, 42, 47, 51, 128-130, 159, 169, 178, 194, 197, 199, 201, 217</p>
X	<p>abstract page 3, line 22 -page 4, line 11 page 5, line 22 -page 8, line 15; figures 1-4</p>	
Y	<p>WO 95 15649 A (DISCOVERY COMMUNICAT INC ;HENDRICKS JOHN S (US)) 8 June 1995 (1995-06-08) cited in the application</p>	<p>59-64, 73-79, 81, 83, 84, 89-92 1-5, 9, 12, 17, 18, 21, 22, 25, 26, 33-38, 42, 47, 51, 128-130, 159, 169, 178, 194, 197, 199, 201, 217</p>
	<p>abstract page 6, line 27 -page 9, line 15; figures 2, 3 page 10, line 9 - line 20; figure 4 page 11, line 3 -page 12, line 1; figure 5B page 15, line 8 - line 29 page 26, line 1 -page 28, line 12; figures 14I, 14J page 35, line 17 -page 38, line 14; figures 18A, 18B</p>	
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PCT/US 00/09541

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 08344 A (SACHS JAMES ; VIRTUAL PRESS (US); POMEROY THOMAS W (US)) 26 February 1998 (1998-02-26) abstract page 5, line 22 -page 7, line 25; figure 1 page 15, line 1 - line 21; figure 4D page 21, line 5 -page 23, line 10; figures 6B,6C	59,60, 68-71, 93,96, 98-102, 119,122, 124-127, 131,178, 181,183, 185,191, 204,208, 209,217
* X	KUBOTA H ET AL: "TERRESTRIAL DATA MULTIPLEX BROADCASTING NEWS DELIVERY SYSTEM AND ITS TERMINAL" IEEE TRANSACTIONS ON CONSUMER ELECTRONICS,US,IEEE INC. NEW YORK, vol. 43, no. 3, 1 August 1997 (1997-08-01), pages 504-509, XP000742524 ISSN: 0098-3063	59-64,73
A	page 504, left-hand column, line 8 -page 505, right-hand column, line 11; figures 1,2	1,93, 119,217
* X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 02, 30 January 1998 (1998-01-30) & JP 09 284571 A (MITSUBISHI ELECTRIC CORP), 31 October 1997 (1997-10-31)	59,60
A	abstract	1,93,119
* X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 01, 31 January 1996 (1996-01-31) & JP 07 235909 A (FUJITSU LTD), 5 September 1995 (1995-09-05) abstract	59
A	SCHEPERS C: "FÜR GESCHLOSSENE BENUTZERGRUPPEN" FUNKSCHAU,DE,FRANZIS-VERLAG K.G. MÜNCHEN, no. 18, 25 August 1989 (1989-08-25), pages S53-S54, XP000053650 ISSN: 0016-2841 the whole document	1,93,119

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PCT/US 00/09541

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	<p>US 5 917 915 A (HIROSE MASAKI) 29 June 1999 (1999-06-29)</p> <p>abstract column 2, line 41 -column 3, line 52 column 5, line 4 -column 6, line 51; figures 1-3 column 11, line 38 -column 12, line 55; figures 1,6,8,9 & JP 08 008853 A (SONY CORP) 12 January 1996 (1996-01-12)</p>	<p>59-62, 73,74, 89,90, 93, 95-97, 100,102, 108,112, 119,121, 122,124, 126,132, 133,139, 142-145, 147,175, 178,194, 197,198</p>

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/US 00/09541

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2269302 A	02-02-1994	JP 6046419 A	18-02-1994
		DE 4323569 A	24-02-1994
		FR 2697394 A	29-04-1994
WO 9515649 A	08-06-1995	US 5990927 A	23-11-1999
		US 5798785 A	25-08-1998
		US 5986690 A	16-11-1999
		AU 1333795 A	19-06-1995
		CA 2177154 A	08-06-1995
		EP 0732027 A	18-09-1996
		JP 9506225 T	17-06-1997
		AU 693148 B	25-06-1998
		AU 1430695 A	19-06-1995
		BR 9408211 A	26-08-1997
		CA 2177153 A	08-06-1995
		EP 0732031 A	18-09-1996
		EP 0963116 A	08-12-1999
		JP 9510327 T	14-10-1997
		NZ 278185 A	27-04-1998
		WO 9515658 A	08-06-1995
WO 9808344 A	26-02-1998	US 5956034 A	21-09-1999
		AU 722603 B	10-08-2000
		AU 4148197 A	06-03-1998
		BR 9713174 A	06-06-2000
		CN 1236450 A	24-11-1999
		EP 1034467 A	13-09-2000
		JP 2000507728 T	20-06-2000
JP 09284571 A	31-10-1997	NONE	
JP 07235909 A	05-09-1995	NONE	
US 5917915 A	29-06-1999	JP 8008853 A	12-01-1996